

POSTDOCTORAL POSITIONS

IN COMPUTATIONAL EVOLUTIONARY DEVELOPMENTAL BIOLOGY IN THE EISEN LAB AT LAWRENCE BERKELEY NATIONAL LAB AND THE UNIVERSITY OF CALIFORNIA BERKELEY

I am seeking two talented computational postdoctoral fellows to use the now twelve sequenced *Drosophila* genomes, and a wealth of experimental data we are generating, to study the evolution of gene expression and gene regulation. The members of my lab have been employing a combination of computational and experimental genomics techniques to characterize gene regulation in developing *Drosophila melanogaster* embryos. We are systematically generating *in vivo* (ChIP-chip) and *in vitro* (SELEX) binding data on all of the transcription factors involved in early (pre-gastrulation) pattern formation. We are also producing a quantitative, three-dimensional, cellular resolution atlas of gene expression in the embryo that will include the protein and RNA expression patterns of these factors and their targets. All of these methods are now being extended to the other *Drosophila* species to generate the ideal dataset for a detailed, quantitative study of the evolution of gene expression and regulation. These positions are fully funded by grants from the National Institutes of Health and are open to citizens of any country.

Send questions/applications (letter/CV and references) to
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